



THE  
QUEENSLAND AGRICULTURAL JOURNAL,

ISSUED BY DIRECTION OF

THE HON. THE SECRETARY FOR AGRICULTURE.

---

EDITED BY J. F. F. REID.

---

NEW SERIES.

VOLUME XVI.

---

JULY TO DECEMBER, 1921.

---

BY AUTHORITY :  
ANTHONY JAMES CUMMING, GOVERNMENT PRINTER, BRISBANE.

1921.



# QUEENSLAND AGRICULTURAL JOURNAL.

VOL. XVI. PARTS 1 TO 6.

## GENERAL INDEX.

	Page.		Page.
<b>A.</b>			
A Fine Navel Orange	314	Banana Industry, The	285
A Native Yam (C. T. White, F.L.S.)	386	Banana Plant Fibre	100
A New Grass Pest on Atherton Tableland (A. P. Dodd)	79	Banana Pocket and Thompson Creek Lands, near Proserpine	188
A New Moth Pest of Sugar-cane and Maize (E. Jarvis)	276	Banana, The Effect of Manuring on the Carrying and Keeping Qualities of (A. H. Benson)	313
A Recipe for Black Wax	18	Beans, Carob and Algaroba	58
Acid in Cream, Neutralisation of (F. J. Watson)	249	Bean, The Carob	285
Acidity in Milk, Rapid Method of Determining Excessive (J. C. Brunnich and E. Graham)	253	Beetle Borer Investigation, Banana (J. L. Froggatt, B.Sc.)	200
Acknowledgment	55	Beetle, The "Mealy" or Grey-back Cane (E. Jarvis)	46
Agriculture	1, 65, 121, 235, 291, 357	Berries, "White Cedar," Poisoning of Stock by—A Reported Remedy	37
Agriculture and Stock Department	126	Biological Control of the Prickly-pear Pest (T. Harvey Johnston, D.Sc.)	65
Agricultural College, Queensland—Diploma Day, 1921	9	Black Wax, A Recipe for	18
Agricultural Development in Central Queensland (G. B. Brooks)	291	Blowfly, Combating the	366
Algaroba Beans, Carob and	58	Boiled Cotton Seed as Stock Food (E. Graham)	300
Algaroba Seed	284	Borer Investigation, Banana Beetle (J. L. Froggatt, B.Sc.)	200
Algaroba Tree in Central Queensland, The	100	Botany	103, 194, 267, 386
Analyses of Fertilisers	325	Bot Fly	259
An Easy Way of Starting Oil Engines	184	Brisbane Botanic Gardens, Flowering Trees of (E. W. Bick)	93, 182, 269, 315, 379
An Excellent Feed for Cattle, Ground Cotton (C. Potts, B.A.)	68	British Tractors, Successful	102
Annual Conference, Queensland Butter and Cheese Factory Managers' Association	20	Butter Export Classes	165
Answers to Correspondents	58, 114, 225, 284, 352, 391	Butter for Local Markets	168
Apiary Section, The	162	Butter Tests, Champion	160
Apple-storing in Gas	102	Button Grass, Reputed Poisoning of Sheep by	17
Arrowing, Cane (H. T. Easterby)	99		
Arsenical Poisoning	350	<b>C.</b>	
Arsenical Poisoning, Destruction of Prickly-pear by Means of	56	Cairns District, Grubs in	108
Astronomical Data for Queensland	64, 120, 234, 290, 356, 395	California, Fruit Marketing in	31
Atherton Tableland, A New Grass Pest on (A. P. Dodd)	79	Calves, Hand Rearing of	181
Atherton Tableland, Winter Feed on	238	Calves, Foals, and Dogs Affected with "Scrub" Ticks, Treatment for (A. H. Cory, M.R.C.V.S.)	286
August Show Dates	55	Cane Arrowing (H. T. Easterby)	99
August Farm and Garden Notes	61	Cane Beetle, The "Mealy" or Grey-back (E. Jarvis)	46
August Orchard Notes	62	Cane Crop, The	96
Awards, Farm Produce	163	Cane Crop Prospects, 1921	58
		Cane Grub, The	50
<b>B.</b>		Cane Grub Control	274
Bacon—Curing	284	Canefields, The South Coast	373
Bacon and Hams	161	Cane Yield, The 1921	385
Banana Beetle Borer Investigation (J. L. Froggatt, B.Sc.)	200	Cape Weed	355
		Carob and Algaroba Beans	58
		Carob Bean	285



	Page.
Cassaba, The	87
Caterpillars in Lucerne	227
Caterpillar Plague, The (Henry Tryon)	331
Cattle, Dehorning	269
Cattle Fatality, Special, in the Maranoa District and its Relation to the Larvæ of <i>Pterygophorus analis</i> , Costa (Henry Tryon)	208
Central Queensland, Agricultural Development in	291
Central Queensland, Dissemination of Introduced Grasses in (G. B. Brooks)	242
Certificates of Soundness—The Horse	18, 83, 175, 259, 370
Champion Butter Tests	160
Cheese Export Classes	169
Cheese and Milk, Fruity Flavours in (R. Snell)	19
Chemistry	218, 325
Cold Storage, Problems of	82
Combating the Blowfly	366
Concrete Floors	111
Conference of Queensland Butter and Cheese Factory Managers' Association	20
Corn-growing Competition, Juvenile—Results	244
Cotton, Directions for Planting Upland	296
Cotton Seed, Ground—An Excellent Feed for Cattle (C. Potts, B.A.)	68
Cotton Seed as Stock Food (J. C. Brünlich)	235
Cotton Seed as Stock Food, Boiled (E. Graham)	300
Cotton Seed as a Stock Food	286
Cotton Seed for Sale	10
Cream, Neutralisation of Acid in (F. J. Watson)	249
Crops and Stock, The Money-making Value of Good (C. Potts, B.A.)	1
Cultivation of the Date Palm, The	226
Cultivation, Intensive (A. H. Benson, M.R.A.C.)	27

## D.

Dairying	19, 82, 175, 249, 301, 370
Dairy Herd, The Queensland Agricultural College	82, 175, 249, 301, 370
Dairy Stock	352
Date Palm, The Cultivation of	226
December Farm and Garden Notes	353
December Orchard Notes	354
Dehorning Cattle	269
Dehydration	34, 110
Department of Agriculture and Stock	126
Destruction of Nut Grass	121
Destruction of Prickly-pear by Means of Arsenical Poisoning	56
Diploma Day, Queensland Agricultural College	9
Dipping Fluids (J. C. Brünlich)	218
Directions for Planting Upland Cotton	296
Diseases and Insect Pests, Vegetation	113
Dissemination of Introduced Pasture Grasses	242
District Exhibits	147
Dividing Range North of Roma, Some Notes on the Soils and Forest Flora (H. I. Jensen, D.Sc.)	239, 297, 358
Dogs, Foals, and Calves Affected with "Scrub" Ticks, Treatment for	286
Downey Mildew	317

## E.

	Page.
Editorial Notes	221, 281, 351
Effect of Manuring on the Carrying and Keeping Qualities of Bananas (A. H. Benson, M.R.A.C.)	313
Egg-Laying Competition, Queensland Agricultural College	24, 84, 176, 260, 307, 371
Elections, Wheat Board	389
Elephant Grass and Notes on Some Other Fodders (J. C. Brünlich)	6
Elephant Grass, Pulping Qualities of	8
Enteritis	352
Entomology	46, 108, 200, 274, 321, 331, 387
Entomological Notes	321
Examples of Rations for Pig Feeding	301
Excessive Acidity in Milk, Rapid Method of Determining	253
Exhibits, District	147
Exhibits, One Farm	151
Exhibition, National, 1921	126
Export Classes, Butter	165
Export Classes, Cheese	169

## F.

Farm Exhibits, One—	151
Farm and Garden Notes	61, 117, 233, 287, 353, 392
Farm Produce Awards	163
Farming, Mixed	227
Feeds on Atherton Tableland, Winter	238
Feed, Stock, Principles of (C. Potts, B.A.)	362
Fertilisers, Analyses of (J. C. Brünlich and A. F. Bell)	325
Fertilisers, Mixing of (J. C. Brünlich)	78
Fertilisers, Pineapple	226
Fibre, Banana Plant	100
"Fiji" Disease of Sugar-cane, The	53
Fine Navel Orange, A	314
Fires, Rats, and Matches	58
Fish, Silver ( <i>Lepisma</i> )	225
Fistula, Treatment for	263
Flavours in Milk and Cheese, Fruity (R. Snell)	19
Floors, Concrete	111
Flowering Trees of Brisbane Botanic Gardens	93, 182, 269, 315, 379
Fly, Bot	259
Foals, Calves and Dogs Affected with "Scrub" Tick, Treatment for	286
Foals, Handrearing of	184
Fodders, Elephant Grass and Some Notes on Other (J. C. Brünlich)	6
Food, Boiled Cotton Seed as Stock (E. Graham)	300
Food, Cotton Seed as a Stock	285
Food, Cotton Seed as Stock (J. C. Brünlich)	235
Food and Medicinal Value of Fruit, The	114
Food Value of the Ripe Olive, The	32
For Poisoning Trees	227
Forestry—Queensland Trees	43, 105, 197, 271
Forest Flora, Dividing Range North of Roma, Some Notes on the Soils and (H. I. Jensen, D.Sc.)	239, 297, 358
Fruity Flavours in Milk and Cheese (R. Snell)	19
Fruit-Growing Industry, The (Benson)	311, 376
Fruit, The Food and Medicinal Value of	114
Fruit Marketing in California (H. W. Mobsby)	31
Fruit Trade, The	228

	Page.		Page.
<b>G.</b>		<b>L.</b>	
* Garden Notes ... ..	37, 95, 182, 263	Local Markets, Butter For ... ..	168
Garden Notes, Farm and ... ..	61, 117, 233, 287,	Lucerne, Caterpillars in ... ..	237
	353, 392	Lucerne and Tobacco Seed ... ..	286
Gas, Storing Apples in ... ..	102		
General Notes ... ..	56, 112, 223, 283,		
Good Breeding in Crops and Stock,			
The Money Making Value of (C.			
Potts, B.A.) ... ..	1		
Grain Unloaders, Pneumatic ... ..	95		
Grass, Button, Reported Poisoning of			
Sheep by ... ..	17		
Grasses, in Central Queensland, Dis-			
semination of Introduced Pasture			
(G. B. Brooks) ... ..	242		
Grass, Elephant, Pulping Qualities of			
Grass, Elephant, and Notes on Some			
Other Fodders (J. C. Brünnich) ...	6		
Grass, Nut, Destruction of ... ..	121		
Grass Pest on Atherton Tableland, A			
New (A. P. Dodd) ... ..	79		
Grass, Red Natal ... ..	115		
Grass, Russell River ... ..	391		
Green Crop Manuring (A. H. Benson,			
M.R.A.C.) ... ..	89		
Ground Cotton Seed—An Excellent			
Feed for Cattle (C. Potts, B.A.) ...	63		
Grey-back Cane Beetle, The "Mealy"			
or (E. Jarvis) ... ..	46		
Grub, The Cane ... ..	50		
Grubs in Cairns District ... ..	108		
<b>H.</b>			
Hams, Bacon and ... ..	161		
Handrearing of Calves ... ..	181		
Handrearing of Foals ... ..	184		
Hemp, Sisal ... ..	58		
Herd Testing ... ..	391		
Home Milking ... ..	160		
Horse—Certificates of Soundness	18, 83, 175,		
	259, 370		
Horses, Small Worms in, Treatment of	171		
Horticulture ... ..	36, 93, 182, 263, 315,		
	379		
Horticultural Notes ... ..	95, 263, 182		
Houses, Pisé ... ..	226		
House, Pisé, Building and Construc-			
tion (A. Morry) ... ..	70		
<b>I.</b>			
Illustrated Notes on Weeds in Queens-			
land (C. T. White, F.L.S.) ... ..	103, 194, 267		
Industries, Tropical 38, 96, 185, 264, 318,			
Insects, Parasitic ... ..	216		
Insect Pests and Vegetation Diseases			
Intensive Cultivation (A. H. Benson,			
M.R.A.C.) ... ..	27		
Investigation, Banana Beetle Borer			
(J. L. Froggatt, B.Sc.) ... ..	200		
<b>J.</b>			
January Farm and Garden Notes ...	392		
January Orchard Notes ... ..	393		
Juvenile Cornrowing Competition—			
Results ... ..	244		
<b>K.</b>			
Kapok ... ..	123		
		<b>M.</b>	
		Maize and Sugar Cane, A New Moth	
		Pest in (E. Jarvis) ... ..	276
		Manuring, Green Crop (A. H. Benson,	
		M.R.A.C.) ... ..	89
		Manuring of Pineapples, Notes on ...	179
		Manuring on Carrying and Keeping	
		Qualities of Bananas, Effect of ...	313
		Maranoa District, Special Cattle	
		Fatality in, and its Relation to the	
		Larvae of <i>Pterygophorus analis</i> ,	
		Costa (Henry Tryon) ... ..	208
		Markets, The ... ..	59
		Markets, Production and ... ..	59
		Market, Information ... ..	285
		Marketing of Fruit in California	
		(H. W. Mobsby, F.R.S.A.) ... ..	31
		Matches, and Fires, Rats ... ..	58
		"Mealy" or Grey-back Cane Beetle,	
		The (E. Jarvis) ... ..	46
		Medicinal Value of Fruit, The Food	
		and ... ..	114
		Mildew, Downey ... ..	317
		Milk and Cheese, Fruity Flavours in	
		(R. Snell) ... ..	19
		Milking Tests ... ..	154
		Milk, Rapid Method of Determining	
		Excessive Acidity in (J. C. Brünnich	
		and E. Graham) ... ..	263
		Mixed Farming ... ..	227
		Mixing of Fertilisers (J. C. Brünnich)	
		Money Making Value of Good Breed-	
		ing in Crops and Stock, The (C.	
		Potts, B.A.) ... ..	1
		Moth Pest in Sugar Cane and Maize,	
		A New (E. Jarvis) ... ..	276
		Motor Ploughs ... ..	227
		<b>N.</b>	
		Natal Grass, Red ... ..	115
		National Exhibition, 1921 ... ..	126
		Native Yam, A (C. T. White, F.L.S.)	
		... ..	386
		Navel Orange, A Fine ... ..	314
		Neutralisation of Acid in Cream, The	
		(F. J. Watson) ... ..	249
		New Grass Pest on the Atherton Table-	
		land, A (A. P. Dodd) ... ..	79
		New Moth Pest in Sugar Cane and	
		Maize, A (E. Jarvis) ... ..	276
		Nodule Parasite and Allied Worms	
		from Queensland Cattle (T. Harvey	
		Johnston, D.Sc.) ... ..	172
		Notes on Agricultural Development in	
		Central Queensland ... ..	291
		Notes, Editorial ... ..	221, 281,
			351
		Notes on Elephant Grass and Some	
		Other Fodders (J. C. Brünnich) ...	6
		Notes, Entomological ... ..	321
		Notes, Farm and Garden 61, 117, 233,	
			287,
			353, 392
		Notes, Garden ... ..	37, 95, 182,
		Notes, General 56, 112, 223, 283, 351,	
			389
		Notes, Horticultural ... ..	95, 182, 263
		Notes on Manuring of Pineapples ...	179
		Notes on Weeds in Queensland, illus-	
		trated (C. T. White, F.L.S.) 103, 194, 267	



	Page.
Notes on Some North Queensland Weeds	103
November Farm and Garden Notes	287
November Orchard Notes	288
Nut Grass, Destruction of	121

## O.

October Farm and Garden Notes	233
October Orchard Notes	231
October Show Dates	225
Oil Engines, An Easy Way of Starting	184
Olives, The Food Value of Ripe	32
Olives, To Pickle	58
One-Farm Exhibits	115
Orange, A Fine Navel	314
Oranges, Seville	58
Orange Wine	92
Orchard Notes	62, 118, 231, 288, 354, 393
Orchard, The	27, 87, 179, 311, 376
Osteomalagia or Soft Bone	300

## P.

Parasitic Insects	216
Pastoral	11, 172, 362
Pasture Grasses in Central Queensland, Dissemination of (G. B. Brooks)	242
"Patterson's Curse"	391
Phalaris	26
Pickle Olives, To	58
Pigs, Rations for	285
Pig Feeding, Examples of Rations for (E. H. Gurney)	301
Pineapple Fertilisers	226
Pineapples, Notes on the Manuring of (A. H. Benson, M.R.A.C.)	179
Pisé Houses	226
Pisé Houses, Building and Construction of (A. Morry)	70
Pit Silos	227
Plague, The Caterpillar (H. Tryon)	331
Plants Poisonous to Stock, Two (C. T. White, F.L.S.)	194
Planting Trees for Shade and Shelter (E. W. Bick)	36
Planting Upland Cotton, Directions for	296
Ploughs, Motor	227
Pneumatic Grain Unloaders	95
Poison Weed Identified, Suspected	63
Poisoning, Arsenical	350
Poisoning of Sheep by Button Grass, Reputed	17
Poisoning, Stock, by "White Cedar" Berries—A Reported Remedy (W. L. Guy)	37
Poisoning Trees, For	227
Poisonous "Milk Weed" ( <i>Pratia erecta</i> )	196
Poisonous to Stock, Two Plants (C. T. White, F.L.S.)	194
Poultry—Egg-laying Competition, Queensland Agricultural College	24, 84, 176, 260, 307, 371
Prickly-pear, Destruction of, by Means of Arsenical Poisoning	56
Prickly-pear Pest, Biological Control of the (Prof. T. Harvey Johnston, D.Sc.)	65
Principles of Stock Feeding (C. Potts, B.A.)	362
Problems of Cold Storage	82

Production and Markets	59, 115
Production, Prospects, and Prices	228
Proserpine—Banana Pocket and Thompson Creek Lands	188
Publications Received	57, 112, 224, 233, 351
Pulping Qualities of Elephant Grass, The	8
Pure Seeds—"The Pure Seeds Act of 1913" as amended by "The Pure Seeds Act Amendment Act of 1914"	223

## Q.

Queensland Agricultural College—Diploma Day, 1921	9
Queensland Agricultural College, The Dairy Herd	82, 175, 249, 301, 370
Queensland Astronomical Data	64, 120, 234, 290, 356, 396
Queensland Butter and Cheese Factory Managers' Association—Annual Conference	20
Queensland Cattle, The Nodule Parasite and Allied Worms from (Prof. T. Harvey Johnston, D.Sc.)	172
Queensland Trees	43, 105, 197, 271
Queensland Weeds, Illustrated Notes on (C. T. White, F.L.S.)	103, 194, 26

## R.

Rainfall in Agricultural Districts	60, 109, 174, 280, 350, 378
Rapid Method of Determining Excessive Acidity in Milk, A (J. C. Brünnich and E. Graham)	253
Rats, Matches, and Fires	58
Rations for Pigs	285
Rations for Pig Feeding, Examples of (E. H. Gurney)	301
Red Natal Grass	115
Reported Remedy for Stock Poisoning by "White Cedar" Berries (W. L. Guy)	37
Reputed Poisoning of Sheep by Button Grass	17
Results of Juvenile Corn-growing Competition	244
Ripe Olive, Its Food Value, The	32
Roma—Some Notes on the Soils and Forest Flora of the Dividing Range North of Roma (H. I. Jensen, D.Sc.)	239, 297, 358
Russell River Grass	391

## S.

Science	110
Scotch Thistle ( <i>Cardus lanceolatus</i> ), To Extirpate	227, 286
Seed for Sale, Cotton	10
Seed, Cotton, as Stock Food (J. C. Brünnich)	235
Seed, Cotton, as Stock Food	286
Seed, Cotton, Boiled as Stock Food (E. Graham)	300
Seed, Ground Cotton, an Excellent Feed for Cattle (C. Potts, B.A.)	68
Seed, Lucerne and Tobacco	286
Seeds, Pure—"The Pure Seeds Act of 1913" as amended by "The Pure Seeds Act Amendment Act of 1914"	223
Seeds and Weeds (F. F. Coleman)	357
September Show Dates	112

	Page.		Page.
September Farm and Garden Notes ...	118	The Cultivation of the Date Palm ...	226
Seville Oranges ...	58	The Dissemination of Introduced	
Shade and Shelter, Planting Trees for		Pasture Grasses in Central Queens-	
(E. W. Bick) ...	36	land ...	242
Sheep Poisoning by Button Grass,		The Dairy Herd, Queensland Agricul-	
Reputed ...	17	tural College ...	82, 175, 249, 301, 370
Sheep, Stud ...	165	The Effect of Manuring on the Carry-	
Show Dates ...	112, 225	ing and Keeping Quality of	
Show Lectures ...	170	Bananas (A. H. Benson, M.R.A.C.)	313
Silos, Pit ...	227	The "Fiji" Disease of Sugar Cane	53
Silver Fish ...	225	The Food and Medicinal Value of	
Sisal Hemp ...	58	Fruit ...	114
Small Worms in Horses, Treatment of	171	The Flowering Trees of Brisbane	
Soft Bone, Osteomalacia or ...	300	Botanic Gardens ...	93, 182, 269, 315, 379
Soils and Forest Flora of the Dividing		The Fruitgrowing Industry (A. H.	
Range North of Roma, Some Notes		Benson, M.R.A.C.) ...	311, 376
on the (H. I. Jensen, D.Sc.)	239, 297, 358	The Fruit Trade ...	228
Some Notes on Elephant Grass and		The Horse—Certificates of Soundness	18,
Other Fodders (J. C. Brünlich) ...	6	83, 175, 259, 370	
Some Notes on the Soils and Forest		The Markets ...	59
Flora of the Dividing Range North		The Marketing of Fruit in California	
of Roma (H. I. Jensen, D.Sc.)	239, 297,	(H. W. Mobsby, F.R.S.A.) ...	31
358		The "Mealy" or Grey-back Cane	
Something New in Windmills ...	83	Beetle (E. Jarvis) ...	46
Soundness, Certificates of—The		The Money-making Value of Good	
Horse ...	18, 83, 175, 259, 370	Breeding in Crops and Stock (C.	
South Coast Canefields ...	373	Potts, B.A.) ...	1
Special Cattle Fatality in the		The Nodule Parasite and Allied	
Maranoa District and Its Relation		Worms from Queensland Cattle	
to the Larvæ of the <i>Pterygophorus</i>		(Prof. T. Harvey Johnston, D.Sc.)	172
<i>analis</i> (Henry Tryon) ...	208	The Orchard ...	27, 87, 179, 311, 376
Starting Oil Engines, An Easy Way		"The Pure Seeds Act of 1913" as	
of ...	184	amended by "The Pure Seeds Act	
Stock Department, Agriculture and ...	126	Amendment Act of 1914" ...	223
Stock, The Money-making Value of		The Ripe Olive, Its Food Value ...	32
Good Crops and (C. Potts, B.A.) ...	1	The Sugar Crop, 1921 ...	34, 373
Stock Feeding, Principles of (C. Potts,		Thistle, Scotch ( <i>Carduus lanceolata</i> ),	
B.A.) ...	362	To Extirpate ...	227, 286
Stock Food, Cotton Seed as (J. C.		Thompson Creek and Banana Pocket	
Brünlich) ...	235	Lands, near Proserpine ...	188
Stock Food, Boiled Cotton Seed as		Tobacco and Lucerne Seed ...	286
(E. Graham) ...	300	To Extirpate Scotch Thistle ( <i>Carduus</i>	
Stock Poisoning by "White Cedar"		<i>lanceolata</i> ) ...	227
Berries, A Reported Remedy (W. L.		To Pickle Olives ...	58
Guy) ...	37	Tractors, Successful British ...	102
Stock, Two Plants Poisonous to (C. T.		Treatment for Dogs, Foals, and	
White, F.L.S.) ...	194	Calves Affected with "Scrub"	
Stomach Worms in Sheep— <i>Strongylus</i>		Ticks ...	286
<i>contortus</i> (W. G. Brown) ...	11	Treatment for Fistula ...	263
Storage, Problems of Cold ...	82	Treatment for Small Worms in Horses	171
Storing Apples in Gas ...	102	Tree Identified ...	285
Strawberry Stalking Device, A ...	23	Trees of Brisbane Botanic Gardens,	
Stud Sheep ...	165	The Flowering ...	93, 182, 269, 315, 379
Successful British Tractors ...	102	Trees, For Poisoning ...	227
Sugar—Field Reports	40, 96, 185, 264,	Tree Planting for Shade and Shelter	
519, 381		(E. W. Bick) ...	36
Sugar—The 1921 Cane Yield ...	385	Trees, Queensland ...	43, 105, 197, 271
Sugar Cane and Maize—A New Moth		Tropical Industries	38, 96, 185, 264, 319, 381
Pest (E. Jarvis) ...	276	Two Plants Poisonous to Stock	194
Sugar Crop, 1921, The ...	34, 373		
Sugar Industry, The ...	285		
Suspected Poison Weed Identified ...	63		
Swine ...	164		

## T.

Test, Champion Butter ...	160
Tests, Milking ...	154
Testing, Herd ...	391
The Algaroba Tree in Central Queens-	
land (G. B. Brooks) ...	100
The Apiary Section ...	162
The Cane Crop ...	96
The Cane Grub ...	50
The Cane Yield, 1921 ...	385
The Cassaba ...	87

## U.

Upland Cotton, Directions for	
Planting ...	296

## V.

Value of Fruit, The Food and	
Medicinal ...	114
Value of Good Breeding in Crops and	
Stock, The Money-making (C. Potts,	
B.A.) ...	1
Vegetation Diseases and Insect Pests	113
Viticulture ...	317



	Page.		Page.
W.		Winter Feeds on the Atherton Table-land	238
Wax, Black, a Recipe	18	Wool (A. Wynne)	14
Weed, Cape	355	Worms in Sheep. Stomach <i>Strongylus contortus</i> (W. G. Brown)	11
Weed Identified, Suspected Poison	63	Worms from Queensland Cattle, The Nodule Parasite and Allied (Prof. T. Harvey Johnston, D.Sc.)	172
Weeds in Queensland, Illustrated Notes on	103, 194, 267	Worms in Horses, Treatment of Small	171
Weeds, Notes on Some North Queensland	103		
Weeds, Seeds and (F. F. Coleman)	357		
Wheat Board Elections	339		
"White Cedar" Berries, Reported Remedy for Poisoning of Stock by	37		
Windmills, Something New in	83		
Wine, Orange	92		

## Y.

Yam, A Native (C. T. White, F.L.S.)	386
-------------------------------------	-----